

# **SYSTEMS AND METHODS FOR AEROSOLIZING PHARMACEUTICAL FORMULATIONS**

## **ABSTRACT OF THE DISCLOSURE**

Systems and methods are provided for aerosolizing a pharmaceutical  
5 formulation. According to one method, respiratory gases are prevented from flowing to the  
lungs when attempting to inhale. Then, respiratory gases are abruptly permitted to flow to  
the lungs. The flow of respiratory gases may then be used to extract a pharmaceutical  
formulation from a receptacle and to place the pharmaceutical formulation within the flow of  
respiratory gases to form an aerosol.

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